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TITLE : COPPER ALLOY FOIL

ABSTRACT : PROBLEM TO BE SOLVED: To provide a Cu-Cr-Zr type copper alloy foil excellent in productivity as well as in strength, electric conductivity, and heat resistance.

SOLUTION: This copper alloy foil has a composition consisting of by weight, 0.02-0.4% Cr, 0.01-0.25% Zr, 0.02-2.0% Zn, and the balance copper with inevitable impurities and containing, if necessary, 0.05-1.8% Fe and 0.05-0.8% Ti and further containing, if necessary, 0.005-1.5 wt.% in total, of one or more elements among Ni, Sn, In, Mn, P, Mg, Al, B, As, Cd, Co, Te, Ag, and Hf. Moreover, the size of inclusions in this copper alloy foil is regulated to $\leq 10 \mu\text{m}$, and also the number of inclusions having a size of 0.5 to $10 \mu\text{m}$ is regulated to < 100 pieces/ mm^2 .

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